

FIG. 1

GAT GAG CCA GAT TTC GGG GAC TCT GGG CCA GAC ATA AAA TCT TCC AGC CCG GAG	54
AGA ATT GTG TGC AGA GAG GGG CTC CAG TCC AGC GTG GTG TGA GAG GCG TGC TAT	108
CAA GAA AGA AGT TGG AGG GGA ACC AGT GCA ACC CTA ACT CTA CGA GAT CTT GGG	162
GTA CAC ACA CTC GGG ATG CTG GCC TCC GCC CTC CTC GTT TTC CTT TGC TGT TTC	216
M L A S A L L V F L C C F	
AAA GGA CAT GCA GGC TCA TCG CCC CAT TTC CTA CAA CAG CCA GAG GAC ATG GTG	270
K G H A G S S P H F L Q Q P E D M V	
GTG CTG TTG GGG GAG GAA GCC CGG CTG CCC TGC GCT CTG GGC GCG TAC AGG GGG	324
V L L G E E A R L P C A L G A Y R G	
CTC GTG CAG TGG ACT AAG GAT GGG CTG GCT CTA GGG GGC GAA AGA GAC CTT CCA	378
L V Q W T K D G L A L G G E R D L P	
GGG TGG TCC CGG TAC TGG ATA TCG GGG AAT TCA GCC AGT GGC CAG CAT GAC CTC	432
G W S R Y W I S G N S A S G Q H D L	
CAC ATT AAG CCT GTG GAA TTG GAA GAT GAG GCA TCG TAT GAG TGC CAG GCT TCG	486
H I K P V E L E D E A S Y E C Q A S	
CAA GCA GGT CTC CGA TCA CGA CCA GCC CAA CTG CAC GTG ATG GTC CCC CCA GAA	540
Q A G L R S R P A Q L H V M V P P E	
GCT CCC CAG GTA CTA GCC GGC CCC TCT GTG TCT CTG GTT GCT GGA GTT CCT GGA	594
A P Q V L G G P S V S L V A G V P G	
AAT CTG ACC TGT CGG AGT CGT GGG GAT TCC CGA CCT GCC CCT GAA CTA CTG TGG	648
N L T C R S R G D S R P A P E L L W	
TTC CGA GAT GGG ATC CGG CTG GAT GCG AGC AGC TTC CAC CAG ACC ACG CTG AAG	702
F R D G I R L D A S S F H Q T T L K	
GAC AAG GCC ACT GGA ACA GTG GAA AAC ACC TTA TTC CTG ACC CCT TCC AGT CAT	756
D K A T G T V E N T L F L T P S S H	
GAT GAT GGC GCC ACC TTG ATC TGC AGA GCG CGA AGC CAG GCC CTG CCC ACA GGG	810
D D G A T L I C R A R S Q A L P T G	
AGG GAC ACA GCT GTT ACA CTG AGC CTT CAG TAT CCC CCA ATG GTG ACT CTG TCT	864
R D T A V T L S L Q Y P P M V T L S	
GCT GAG CCC CAG ACT GTG CAG GAG GGA GAG AAG GTG ACT TTC CTG TGT CAA GCC	918
A E P Q T V Q E G E K V T F L C Q A	
ACT GCC CAG CCT CCT GTC ACT GGC TAC AGG TGG GCG AAG GGG GGA TCC CCG GTG	972
T A Q P P V T G Y R W A K G G S P V	
CTC GGG GCA CGT GGG CCA AGG TTG GAG GTC GTT GCA GAT GCC ACT TTC CTG ACT	1026
L G A R G P R L E V V A D A T F L T	
GAG CCG GTG TCC TGC GAG GTC AGC AAC GCG GTC GGA AGC GCC AAC CGC AGC ACG	1080
E P V S C E V S N A V G S A N R S T	
GCG CTG GAA GTG TTG TAT GGA CCC ATT CTG CAG GCA AAA CCT AAG TCC GTG TCC	1134
A L E V L Y G P I L Q A K P K S V S	
GTG GAC GTG GGG AAA GAT GCC TCC TTC AGC TGT GTC TGG CGC GGG AAC CCA CTT	1188
V D V G K D A S F S C V W R G N P L	
CCA CGG ATA ACC TGG ACC CGC ATG GGT GGC TCT CAG GTG CTG AGC TCC GGG CCC	1242
P R I T W T R M G G S Q V L S S G P	
ACG CTG CGG CTT CCG TCC GTG GCA CTG GAG GAT GCG GGC GAC TAT GTA TGC AGG	1296
T L R L P S V A L E D A G D Y V C R	
GCT GAG CCG AGG AGA ACG GGT CTG GGA GGC GGC AAA GCG CAG GCG AGG CTG ACT	1350
A E P R R T G L G G G K A Q A R L T	
GTG AAC GCA CCC CCT GTA GTG ACA GCC CTG CAA CCT GCA CCA GCC TTT CTG AGG	1404
V N A P P V V T A L Q P A P A F L R	

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FIG. 2

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FIG. 3

GAG	AGA	ATT	GTG	TGC	AGA	GAG	AGG	CTC	CAG	TCC	AGC	GTG	GTG	TGA	GAG	GCG	TGC	54
TAT	CAA	GAA	AGA	AGT	TGG	AGG	GGA	ACC	AGT	GCA	ACC	CTA	ACT	CTA	CGA	GAT	CTT	108
GGG	GTA	CAC	ACA	CTC	GGG	ATG	CTG	GCC	TCC	GCC	CTC	CTC	GTT	TTC	CTT	TGC	TGT	162
M	L	A	S	A	L	L	V	F	L	C	C							
TTC	AAA	GGA	CAT	GCA	GGG	TGG	TCC	CGG	TAC	TGG	ATA	TCG	GGG	AAT	TCA	GCC	AGT	216
<u>F</u>	K	G	H	<u>A</u>	G	W	S	R	Y	W	I	S	G	N	S	A	S	
GGC	CAG	CAT	GAC	CTC	CAC	ATT	AAG	CCT	GTG	GAA	TTG	GAA	GAT	GAG	GCA	TCG	TAT	270
G	Q	H	D	L	H	I	K	P	V	E	L	E	D	E	A	S	Y	
GAG	TGC	CAG	GCT	TCG	CAA	GCA	GGT	CTC	CGA	TCA	CGA	CCA	GCC	CAA	CTG	CAC	GTG	324
E	C	Q	A	S	Q	A	G	L	R	S	R	P	A	Q	L	H	V	
ATG	GTC	CCC	CCA	GAA	GCT	CCC	CAG	GTA	CTA	GGC	GGC	CCC	TCT	GTG	TCT	CTG	GTT	378
M	V	P	P	E	A	P	Q	V	L	G	G	P	S	V	S	L	V	
GCT	GGA	GTT	CCT	GGG	AAT	CTG	ACC	TGT	CGG	AGT	CGT	GGG	GAT	TCC	CGA	CCT	GCC	432
A	G	V	P	G	N	L	T	C	R	S	R	G	D	S	R	P	A	
CCT	GAA	CTA	CTG	TGG	TTC	CGA	GAT	GGG	ATC	CGG	CTG	GAT	GGC	AGC	AGC	TTC	CAC	486
P	E	L	L	W	F	R	D	G	I	R	L	D	A	S	S	F	H	
CAG	ACC	ACG	CTG	AAG	GAC	AAG	GCC	ACT	GGA	ACA	GTG	GAA	AAC	ACC	TTA	TTC	CTG	540
Q	T	T	L	K	D	K	A	T	G	T	V	E	N	T	L	F	L	
ACC	CCT	TCC	AGT	CAT	GAT	GAT	GGC	GCC	ACC	TTG	ATC	TGC	AGA	GCG	CGA	AGC	CAG	594
T	P	S	S	H	D	D	G	A	T	L	I	C	R	A	R	S	Q	
GCC	CTG	CCC	ACA	GGG	AGG	GAC	ACA	GCT	GGT	ACA	CTG	AGC	CTT	CAG	TAT	CCC	CCA	648
A	L	P	T	G	R	D	T	A	V	T	L	S	L	Q	Y	P	P	
ATG	GTG	ACT	CTG	TCT	GCT	GAG	CCC	CAG	ACT	GTG	CAG	GAG	GGG	GAG	AAG	GTG	ACT	702
M	V	T	L	S	A	E	P	Q	T	V	Q	E	G	E	K	V	T	
TTC	CTG	TGT	CAA	GCC	ACT	GCC	CAG	CCT	CCT	GTG	ACT	GGC	TAC	AGG	TGG	GCG	AAG	756
F	L	C	Q	A	T	A	Q	P	P	V	T	G	Y	R	W	A	K	
GGG	GGA	TCC	CCG	GTG	CTC	GGG	GCA	CGT	GGG	CCA	AGG	TTG	GAG	GTC	GTT	GCA	GAT	810
G	G	S	P	V	L	G	A	R	G	P	R	L	E	V	V	A	D	
GCC	ACT	TTC	CTG	ACT	GAG	CCG	GTG	TCC	TGC	GAG	GTC	AGC	AAC	GCG	GTC	GGA	AGC	864
A	T	F	L	T	E	P	V	S	C	E	V	S	N	A	V	G	S	
GCC	AAC	CGC	AGC	ACG	GCG	CTG	GAA	GTG	TTG	TAT	GGA	CCC	ATT	CTG	CAG	GCA	AAA	918
A	N	R	S	T	A	L	E	V	L	Y	G	P	I	L	Q	A	K	
CCT	AAG	TCC	GTG	TCC	GTG	GAC	GTG	GGG	AAA	GAT	GCC	TCC	TTC	AGC	TGT	GTC	TGG	972
P	K	S	V	S	V	D	V	G	K	D	A	S	F	S	C	V	W	
CGC	GGG	AAC	CCA	CTT	CCA	CGG	ATA	ACC	TGG	ACC	CGC	ATG	GGT	GGC	TCT	CAG	GTG	1026
R	G	N	P	L	P	R	I	T	W	T	R	M	G	G	S	Q	V	
CTG	AGC	TCC	GGG	CCC	ACG	CTG	CGG	CTT	CCG	TCC	GTG	GCA	CTG	GAG	GAT	GCG	GCG	1080
L	S	S	G	P	T	L	R	L	P	S	V	A	L	E	D	A	G	
GAC	TAT	GTA	TGC	AGG	GCT	GAG	CCG	AGG	AGA	ACG	GGT	CTG	GGA	GGC	GGC	AAA	GCG	1134
D	Y	V	C	R	A	E	P	R	R	T	G	L	G	G	G	K	A	
CAG	GCG	AGG	CTG	ACT	GTG	AAC	GCA	CCC	CCT	GTA	GTG	ACA	GCC	CTG	CAA	CCT	GCA	1188
Q	A	R	L	T	V	N	A	P	P	V	V	T	A	L	Q	P	A	

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FIG. 4

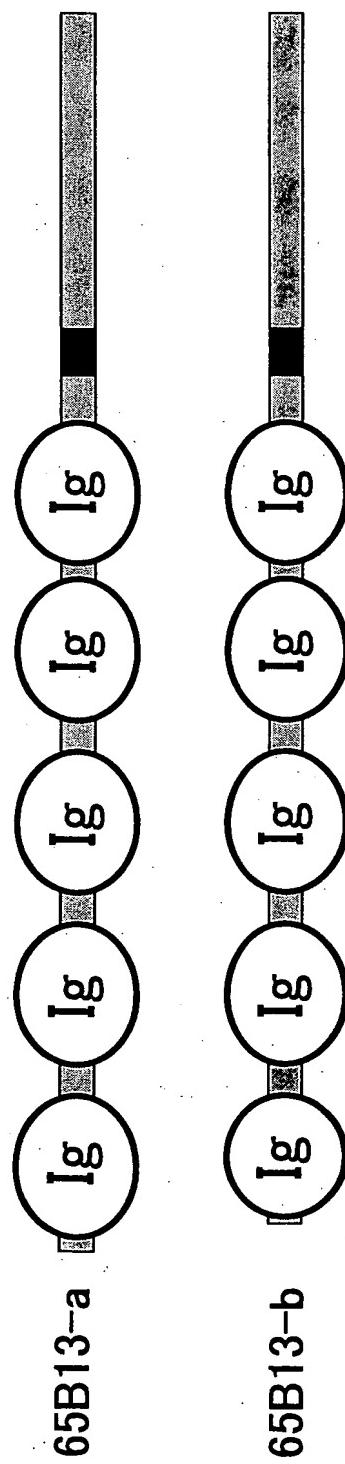
FIG. 5

		10	20	30	40	50
65B13-a	1	MIA SALLVFI	CCFGKGHAGSS	PHFLQQPEDM	VVLLGEEARL	PCALGAYRGL
65B13-b	1	MIA SALLVFI	CCFGKGHAG--	-----	-----	-----
		60	70	80	90	100
65B13-a	51	VQWTKDGLAL	GGERDLPGWS	RYWISGNSAS	GQHDLHIKPV	ELEDFASYEC
65B13-b	51	-----	-----WS	RYWISGNSAS	GQHDLHIKPV	ELEDEASYEC
		110	120	130	140	150
65B13-a	101	QASQAGLRSR	PAOLHVMVPP	EAPQVLGGPS	VSLVAGVPGN	LTCRSRGDSR
65B13-b	101	QASQAGLRSR	PAOLHVMVPI	EAPQVLGGPS	VSLVAGVPGN	LTCRSRGDSR
		160	170	180	190	200
65B13-a	151	PAPELIWFIRD	GIRLDASSFH	QTTLKDKAIC	TVENTLIFTI	SSHDDGATLJ
65B13-b	151	PAPELIWFIRD	GIRLDASSFH	QTTLKDKAIC	TVENTLIFTI	SSHDDGATLJ
		210	220	230	240	250
65B13-a	201	CRARSQALPT	GRDTAVTISI	QYPPMVTLSA	EPOTIVQEGER	VTFILCOATAC
65B13-b	201	CRARSQALPT	GRDTAVTISI	QYPPMVTLSA	EPOTIVQEGER	VTFILCOATAC
		260	270	280	290	300
65B13-a	251	PPVTGYRWAK	GGSEPVLCARG	PRLEVADAT	FITEPVSCDV	SNAVGSANRS
65B13-b	251	PPVTGYRWAK	GGSEPVLCARG	PRLEVADAT	FITEPVSCDV	SNAVGSANRS
		310	320	330	340	350
65B13-a	301	TALEVLYGPI	LQAKPKSVSV	DVGKDASFSC	WRGNPLPRI	TWTRMGGSQV
65B13-b	301	TALEVLYGPI	LQAKPKSVSV	DVGKDASFSC	WRGNPLPRI	TWTRMGGSQV
		360	370	380	390	400
65B13-a	351	LSSGPTLRLH	SVALEEDAGDY	VCRAEPRRTG	ICGGGKAOARI	TVNAPPVVTA
65B13-b	351	LSSGPTLRLH	SVALEEDAGDY	VCRAEPRRTG	ICGGGKAOARI	TVNAPPVVTA
		410	420	430	440	450
65B13-a	401	LQOPAPAFLRC	PARLOCVVFA	SPAPDSVVWS	WDEGFLEAGS	LGRFLVEAFF
65B13-b	401	LQOPAPAFLRC	PARLOCVVFA	SPAPDSVVWS	WDEGEELLEAGS	LGRFLVEAFF
		460	470	480	490	500
65B13-a	451	APEVEEGGQGH	GLISVLIHSQ	TOESDFTTGI	NCSARNRLGE	GRVOIHLGRF
65B13-b	451	APEVEEGGQGH	GLISVLIHSQ	TOESDFTTGI	NCSARNRLGE	GRVOIHLGRF
		510	520	530	540	550
65B13-a	501	DLLPTVRIV	GAASAATSLI	MVITGVVLC	WRHGSLSKQK	NLVRIPGSSE
65B13-b	501	DLLPTVRIV	GAASAATSLI	MVITGVVLC	WRHGSLSKQK	NLVRIPGSSE
		560	570	580	590	600
65B13-a	551	GSSSRGPEEF	TGSSEDRGPI	VHTLDHSDLVI	EEKEALEFTKL	PTNGYYKVRC
65B13-b	551	GSSSRGPEEF	TGSSEDRGPI	VHTDHSDIVI	EEKEALEFTKL	PTNGYYKVRC
		610	620	630	640	650
65B13-a	601	VSVSLSLGEA	PGGGFLPPP	SPIGLPGTPI	YYDFKPILL	VPPCRLYRAR
65B13-b	601	VSVSLSLGEA	PGGGFLPPP	SPIGLPGTPI	YYDFKPQDI	VPPCRLYRAR
		660	670	680	690	700
65B13-a	651	AGYLTTPHPP	AFTSYMKTG	FGPPDLSG	PPFPYATLSI	PSHQRLQTHV
65B13-b	651	AGYLTTPHPP	AFTSYMKTG	FGPPDLSG	PPFPYATLSI	PSHQRLQTHV

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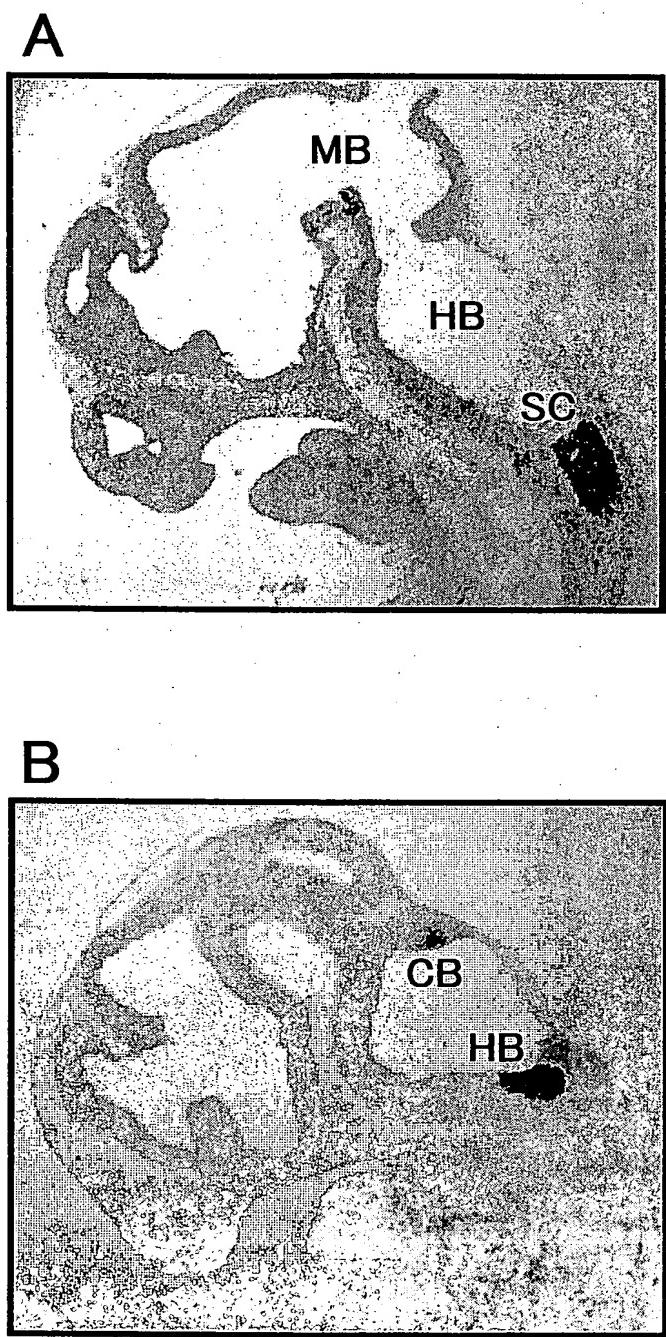
FIG. 6



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FIG. 7



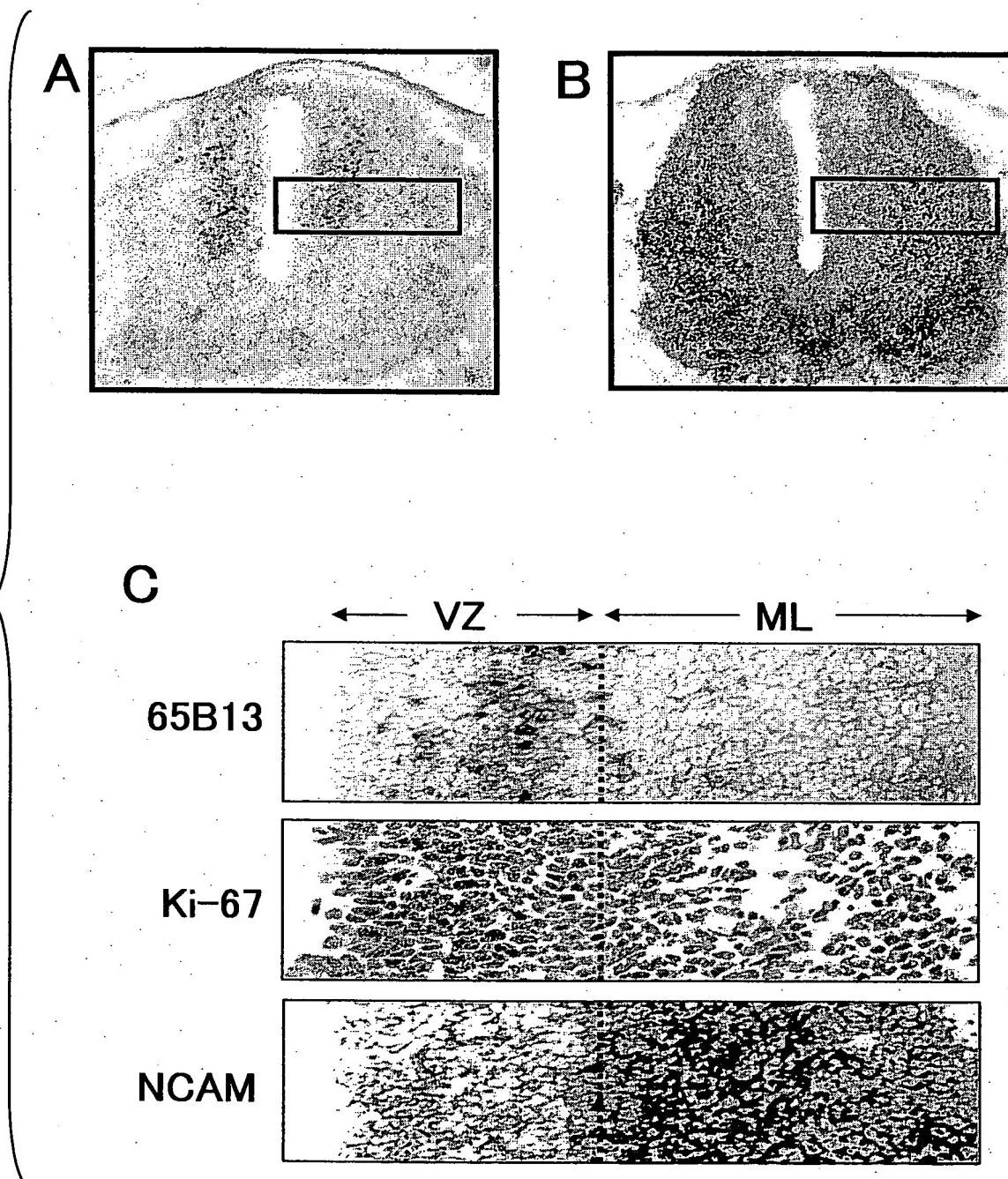
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FIG. 8



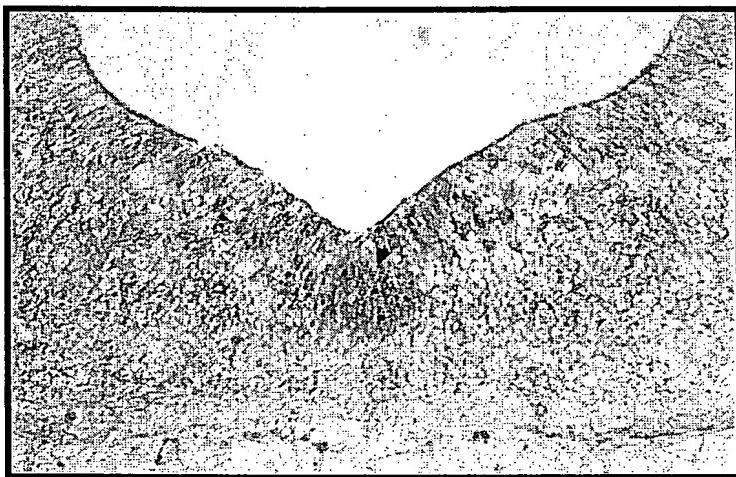
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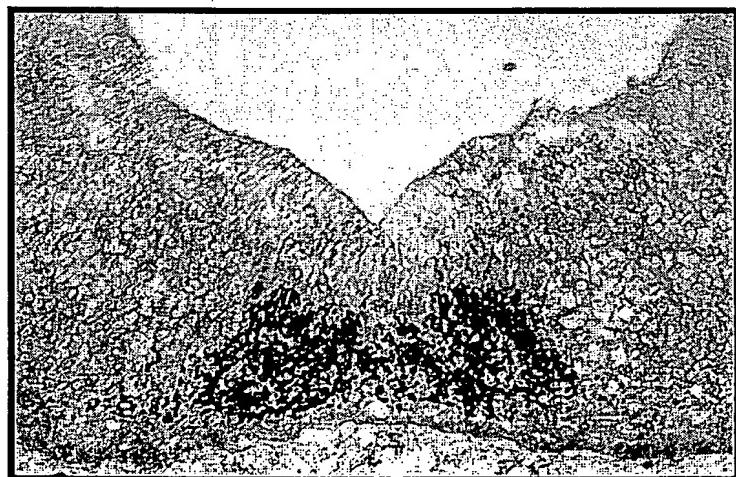
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FIG. 9

A



B



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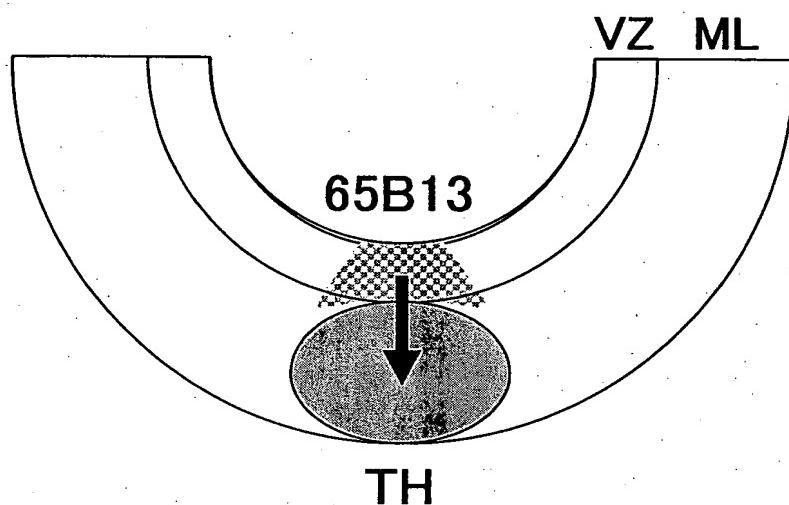
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FIG. 10

VENTRAL MIDBRAIN REGION



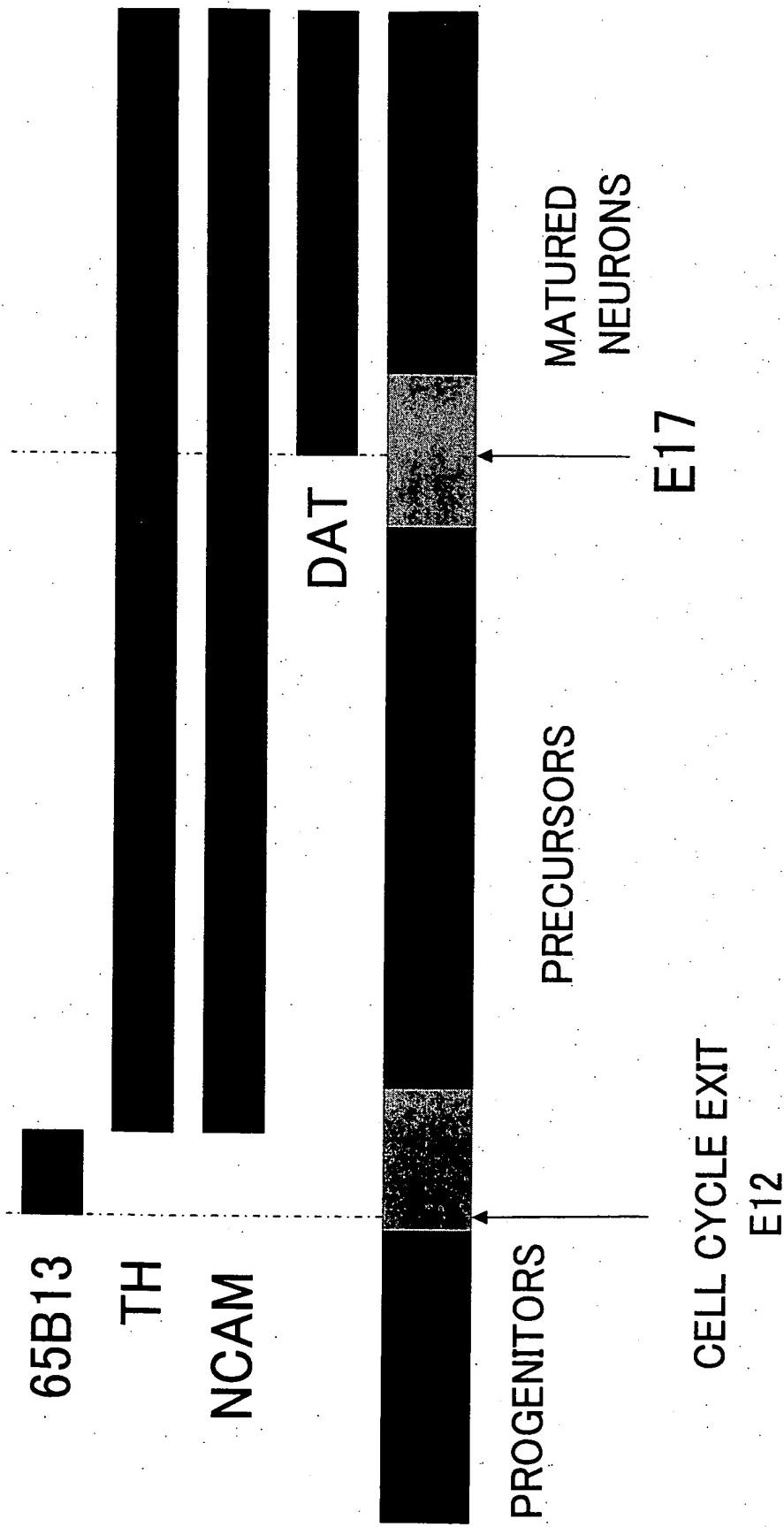
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FIG. 11

Cell Cycle Progression

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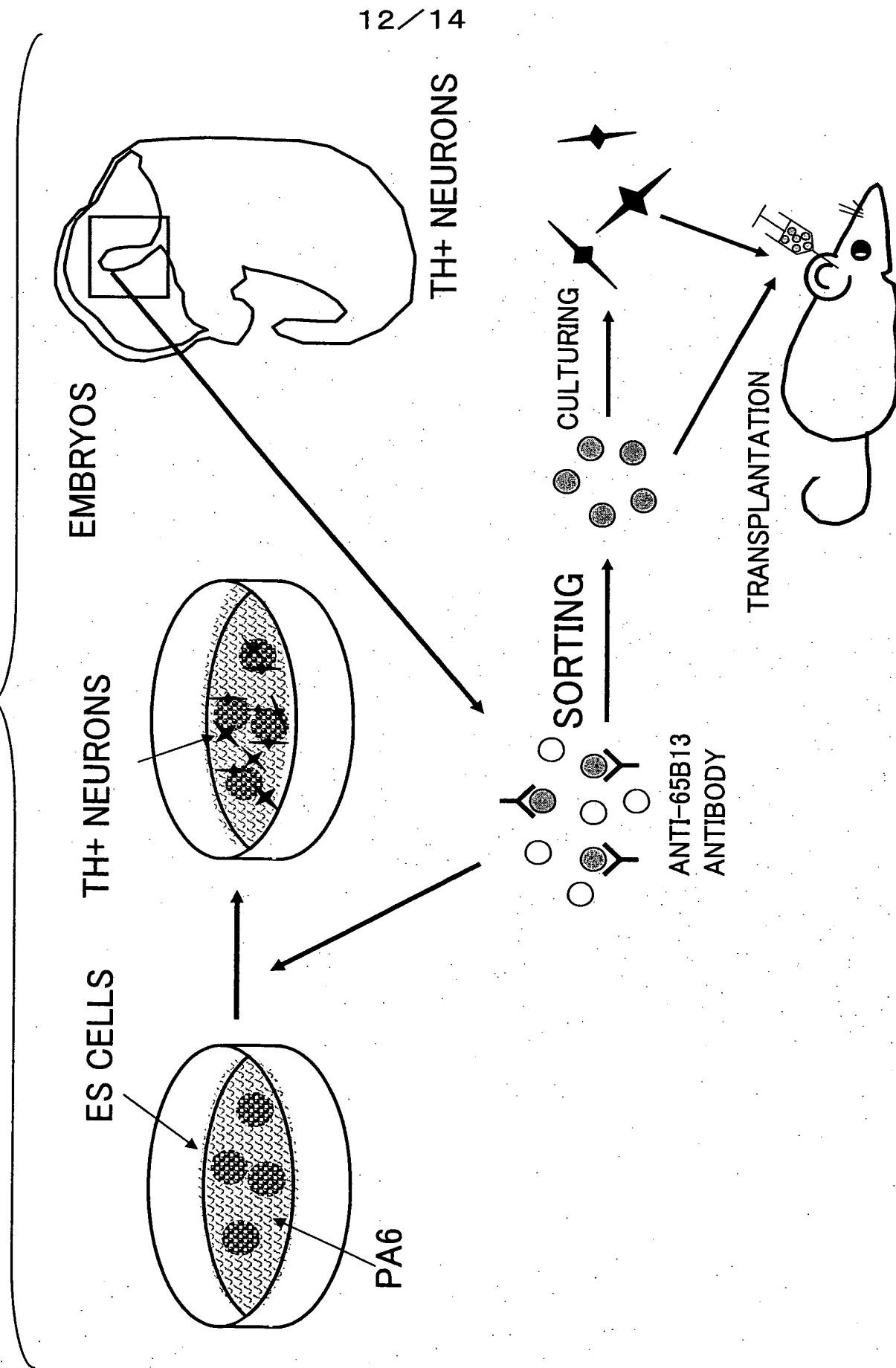
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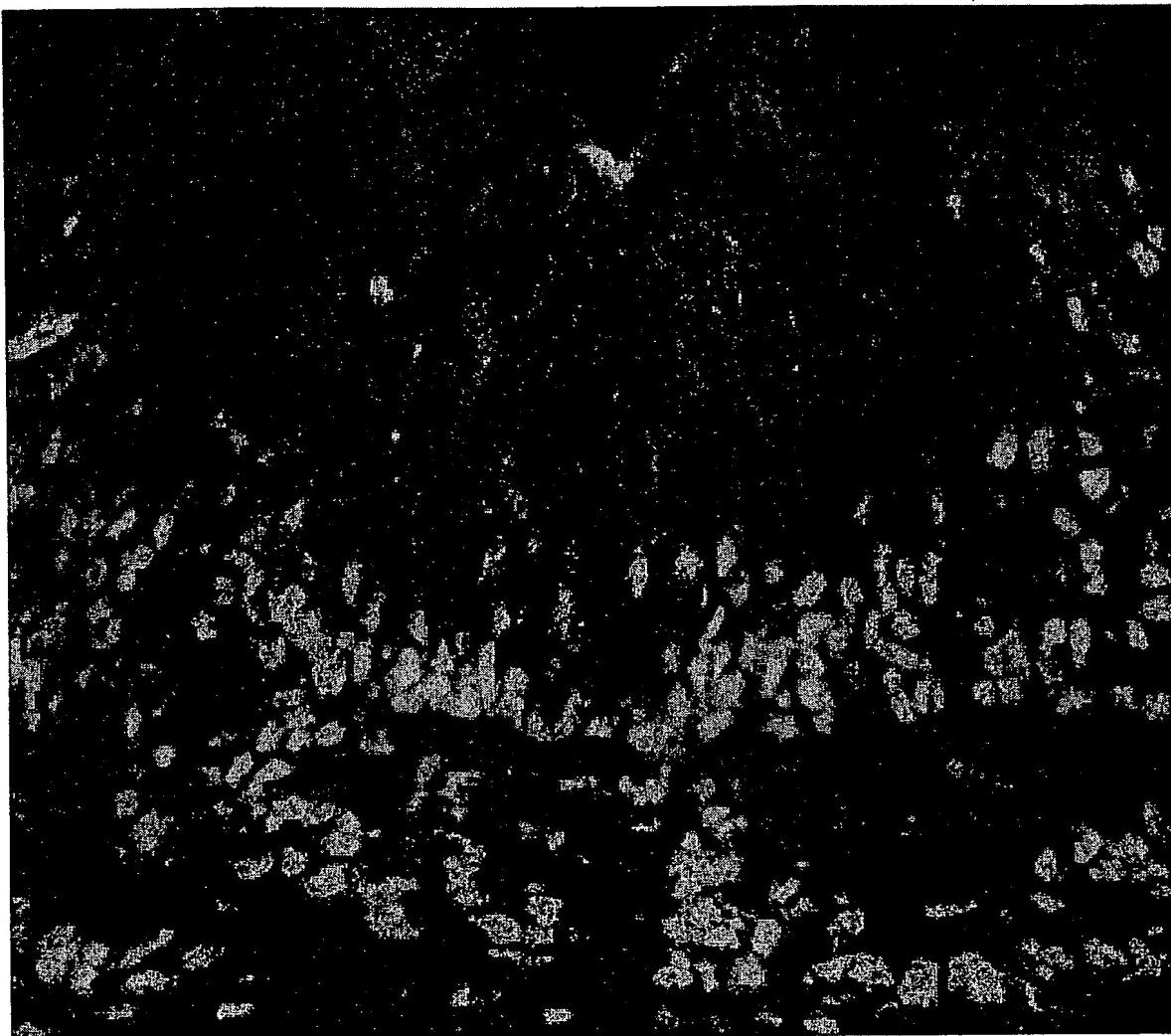
FIG. 12



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FIG. 13



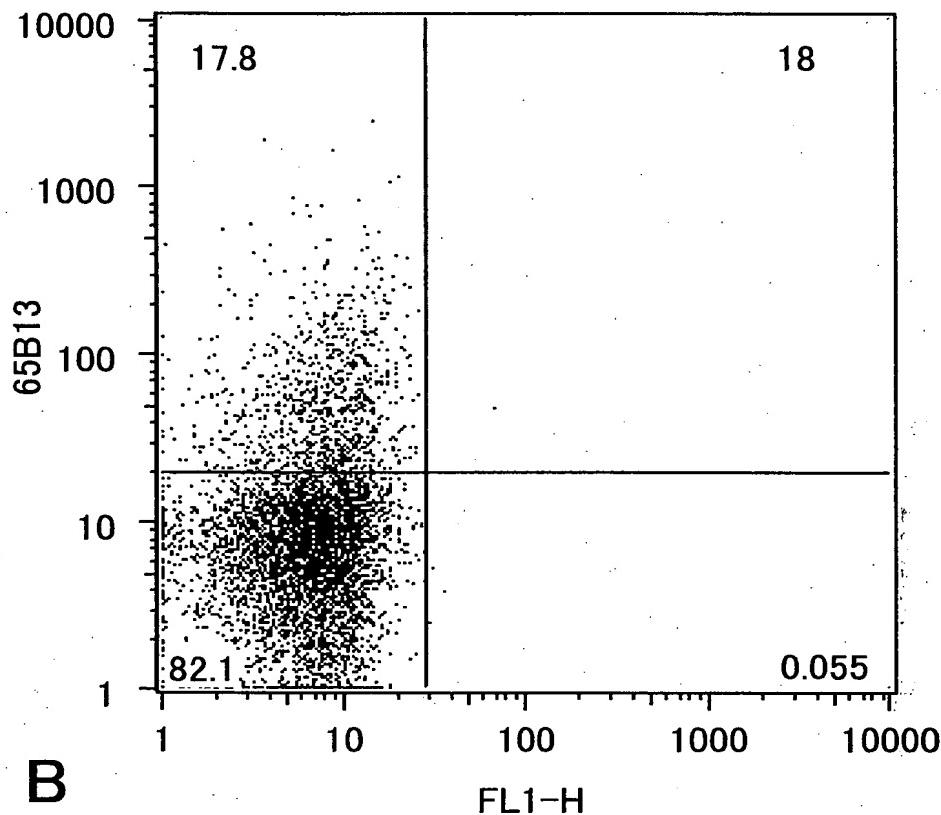
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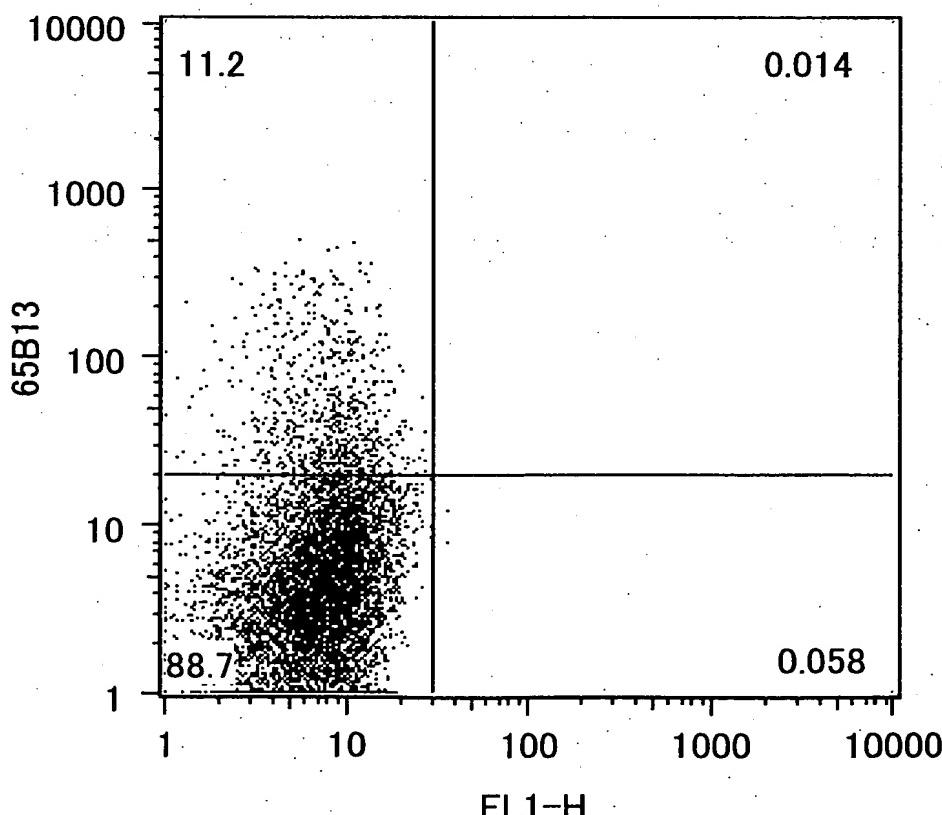
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FIG. 14

A



B



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